

IN THE CLAIMS

Please amend the claims as follows:

1. (original) A low-pressure vapor discharge lamp comprising a radiation-transmitting discharge vessel (1) enclosing, in a gastight manner, a discharge space (3) provided with a gas filling, the gas filling being substantially free of mercury and comprising an indium compound and a buffer gas,  
the discharge vessel (1) comprising discharge means (2) for maintaining a gas discharge in the discharge space (3),  
the discharge vessel (1) being provided with a luminescent layer (4),  
the luminescent layer (4) comprising a luminescent material based on a nitridosilicate or on an oxonitridosilicate.
2. (original) A low-pressure vapor discharge lamp as claimed in claim 1, characterized in that the luminescent material comprises rare-earth emitters.
3. (original) A low-pressure vapor discharge lamp as claimed in claim 2, characterized in that the luminescent material comprises europium, cerium, or ytterbium emitters.

4. (currently amended) A low-pressure vapor discharge lamp as claimed in claim 1-~~or~~-2, characterized in that the luminescent material comprises an oxonitridosilicate comprising aluminum.

5. (currently amended) A low-pressure vapor discharge lamp as claimed in claim 1-~~or~~-2, characterized in that the luminescent layer (4) comprises a luminescent material selected from the group formed by:

$(Sr_{1-x-y-z}Ba_xCa_y)Si_2N_2O_2:Eu_z$ , where  $0 < x < 0.2$ ,  $0 < y < 0.2$  and  $0 < z < 0.1$ ;  
 $Ca_{1-x-y}Sr_xSi_2N_2O_2:Eu_y$ , where  $0 < x < 0.5$  and  $0 < y < 0.1$ ;  
 $(Sr_{1-x-y-z}Ca_xBa_y)_2Si_5N_8:Eu_z$ , where  $0 < x < 1$ ,  $0 < y < 1$  and  $0 < z < 0.1$ ;  
 $(Sr_{1-x-y-z}Ba_xCa_y)_2Si_{5-a}Al_aN_{8-a}O_a:Eu_z$ , where  $0 < x < 1$ ,  $0 < y < 1$ ,  $0 < z < 0.1$   
and  $0 < a < 4$ ,

and

$(Sr_{1-x-y-z}Ba_xCa_y)Si_2N_2O_2:Yb_z$ , where  $0 < x < 0.2$ ,  $0 < y < 0.2$  and  $0 < z < 0.1$ .

6. (currently amended) A low-pressure vapor discharge lamp as claimed in claim 1-~~or~~-2, characterized in that the luminescent layer (4) further comprises a luminescent material selected from the group formed by:

$Y_3Al_5O_{12}:Ce$ ;  
 $(Y_{1-x}Gd_x)_3(Al_{1-y}Ga_y)_5O_{12}:Ce$ , where  $0 < x < 1$  and  $0 < y < 1$ ;  
 $Sr_2CeO_4:Eu$ ,  $Y_2O_3:Eu, Bi$ ;

(Y, Gd)<sub>2</sub>O<sub>3</sub>:Eu, Bi;  
Y(V, P)O<sub>4</sub>:Eu;  
Y(V, P)O<sub>4</sub>:Eu, Bi;  
(Sr, Mg, Ca)S:Eu;  
Y<sub>2</sub>O<sub>2</sub>S:Eu;  
(Ba, Sr)MgAl<sub>10</sub>O<sub>17</sub>:Eu, Mn;  
ZnS:Cu, Al, Au; SrGa<sub>2</sub>S<sub>4</sub>Eu;  
(Sr, Ba, Ca)(Ga, Al)<sub>2</sub>S<sub>4</sub>:Eu;  
(Y, Gd)BO<sub>3</sub>:Ce, Tb;  
(Y, Gd)<sub>2</sub>O<sub>2</sub>S:Tb;  
LaOBr:Ce, Tb;  
(Ba, Sr)MgAl<sub>10</sub>O<sub>17</sub>:Eu;  
(Ba, Sr)<sub>5</sub>(PO<sub>4</sub>)<sub>3</sub>(F, Cl):Eu;  
Y<sub>2</sub>SiO<sub>5</sub>:Ce;  
ZnS:Ag,

and

La<sub>0.7</sub>Gd<sub>0.3</sub>OBr:Ce.

7. (currently amended) A low-pressure vapor discharge lamp as claimed in claim 1-~~or~~-2, characterized in that the emission from the luminescent layer (4) and the emission from the gas discharge together form white light.

8. (currently amended) A low-pressure vapor discharge lamp as claimed in claim 1-~~or~~-2, characterized in that the discharge vessel is surrounded by an outer bulb, the outer surface of the discharge vessel being coated with the luminescent layer.

9. (currently amended) A low-pressure vapor discharge lamp as claimed in claim 1-~~or~~-2, characterized in that the discharge vessel (1) is surrounded by an outer bulb (6), the outer bulb (6) being coated with the luminescent layer (4).